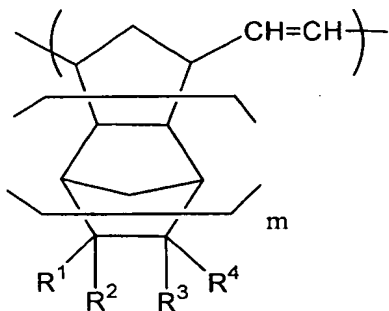


ABSTRACT

A norbornene ring-opened polymer which in the molecule has repeating units represented by the formula (1):

5



(1)

wherein R^1 represents Q, R^2 represents Q or $C(=O)R^5$, R^3 represents Q or $C(=O)R^6$, and R^4 represents Q or $X-C(=O)R^7$ (wherein Q represents hydrogen, a C_{1-10} hydrocarbon group, etc. .; R^5 , R^6 and R^7 each represents hydroxyl, C_{1-10} alkoxyl, etc., provided that R^6 and R^7 may be bonded to each other to constitute oxygen, NH, etc.; X represents methylene, etc., provided that when R^2 is Q, then R^3 is $C(=O)R^6$ and R^4 is $X-C(=O)R^7$ and that when R^4 is Q, then R^2 is $C(=O)R^5$, R^3 is $C(=O)R^6$, and the configuration of R^2 and R^3 is trans, and m is 0 or 1), the polymer having a weight-average molecular weight as determined by gel permeation chromatography of 1,000 to 1,000,000. Also provided is a hydrogenation product of the norbornene ring-opened polymer. The norbornene ring-opened polymer and the hydrogenation product are excellent in heat resistance, electrical properties, etc.